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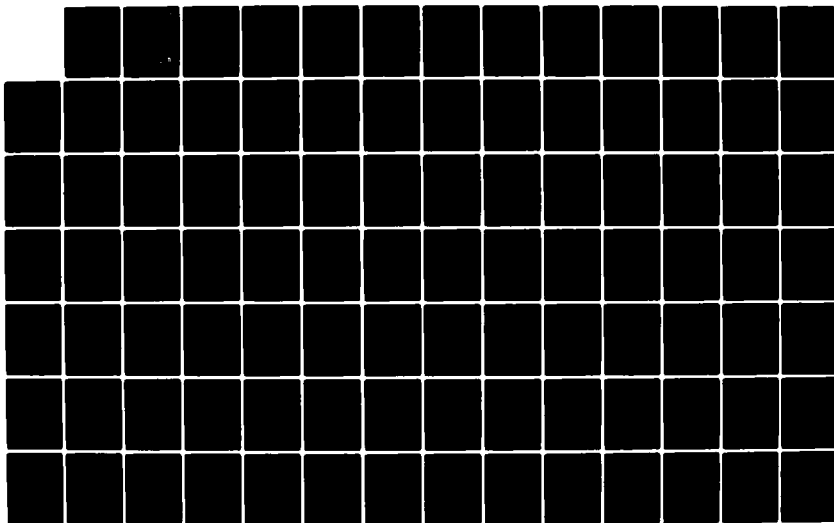
JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 45B SMALL
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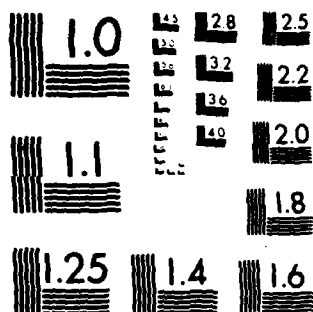
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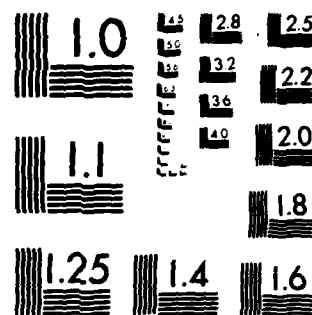
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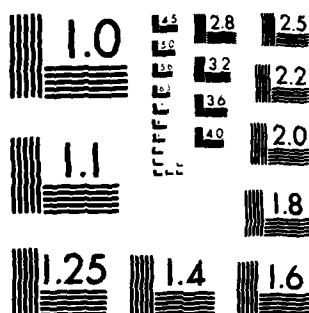




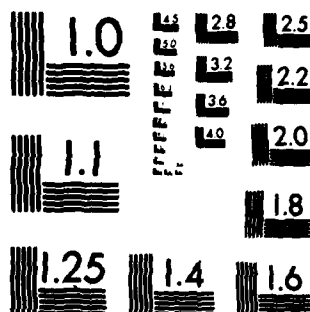
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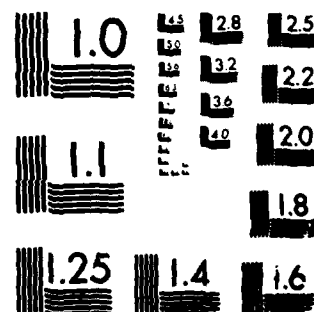
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JOB LANGUAGE PERFORMANCE REQUIREMENTS

FOR 45B

MAS

SMALL ARMS REPAIRMAN

REFERENCE SOLDIER'S MANUAL DATED

14 May 1976

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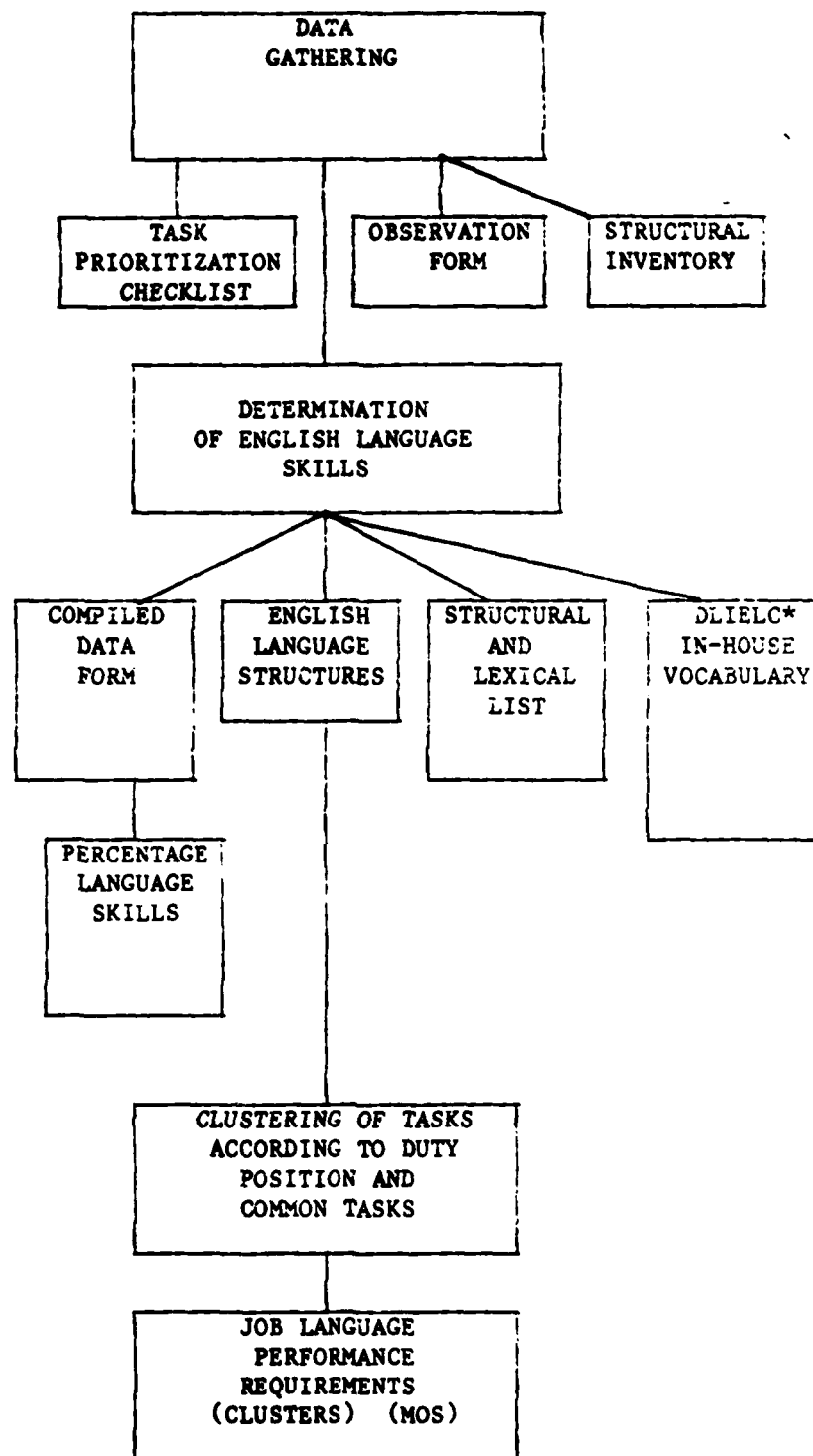


FIGURE 1

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19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Job Language Performance Requirements (JLPR) Task Inventory Lexical Analysis Common Tasks Structural Analysis Listening English Language Skills Speaking Task Prioritization Checklist Reading		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) The Job Language Performance Requirements (JLPR) study was conducted to deter- mine language tasks the soldier must do in studying/performing job tasks. The language skills (listening, reading, writing, speaking) required to learn each Army job task were identified, conditions studied and standards determined. The data that generated the JLPR is identified.		

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PREFACE

INSTRUCTIONS FOR REVIEW OF JOB LANGUAGE PERFORMANCE REQUIREMENTS

This report is organized in six main sections. Sections I-IV discuss methods, forms and rationale for gathering, organizing and analyzing research data used to develop Job Language Performance Requirements (JLPR). Please look through these sections to get a general understanding of the background underlying the JLPR. Sections V and VI are the major substantive portions of the analysis. They are the results of the analysis and constitute the basis for development of any MOS-oriented English language materials. Section V contains the JLPR by cluster/topic, while Section VI contains the JLPR covering the entire range of clusters/topics.

The appendices, one through eight, contain all the information used to determine the Job Language Performance Requirements. Please write any suggestions or changes directly on the document or attach additional notes, if necessary.

The points covered in the six major sections are supported in greater detail in eight appendices. Below is an overview of these appendices.

Appendix one contains the Task Prioritization Checklist. It was taken to the field to collect the raw data. This form was approved for use by the Department of the Army.

Appendix two contains the Task Inventory Compiled Data Form. It was used to organize data from Unit and AIT respondents.

Appendix three defines the language skills by percentage. This form includes computations of language skills for each task cluster.

Appendix four contains the Observation Form used in the recording of types of listening and speaking skills required, as seen by observers, in the learning and performing of a task. The variety of environmental situations is also included on this form.

Appendix five contains the final list of structural and lexical items found through data gathering and organization.

Appendix six contains the DLIELC in-house vocabulary list. This is a task by task listing of the vocabulary extracted from the Soldier's Manual.

Appendix seven contains the machine-generated vocabulary for this MOS prepared by the United States Army Training and Doctrine Command (TRADOC), Fort Monroe, Virginia.

Appendix eight contains the list of structural and lexical items requisite to this MOS.

Thank you for your cooperation. It is greatly appreciated.

SECTION I

DATA GATHERING

INTRODUCTION

This section discusses the procedures and forms in the gathering of data used to determine the Job Language Performance Requirements for this MOS.

SECTION I: DATA GATHERING

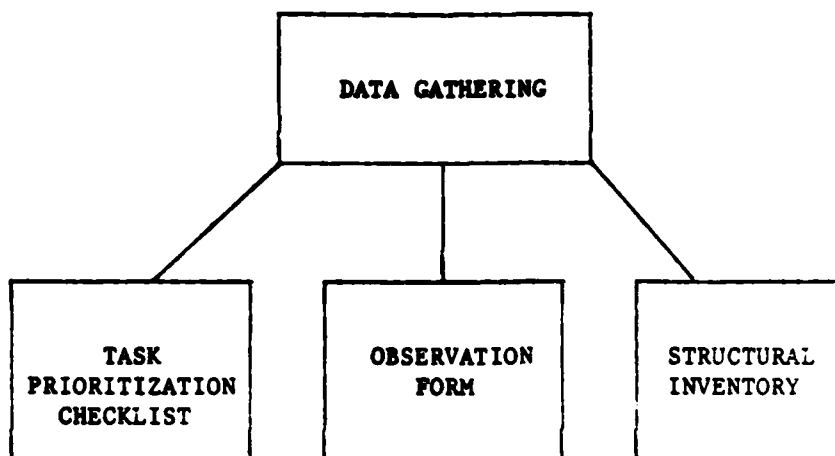


FIGURE 2

In order to establish Job Language Performance Requirements for this MOS the curriculum development specialists at the Defense Language Institute English Language Center (DLIELC) analyzed the current learning and working situations, and individual tasks. The goal was to collect data which would help identify the Job Language Performance Requirements pertinent to this MOS.

To conduct this analysis, training specialists visited the AIT School and Unit cadre. Interviews were conducted using a Task Prioritization Checklist, (Appendix 1). For each task, first-line supervisors answered the following questions:

1. Is the task taught?
2. How is the task taught?
3. Is the task tested?
4. How is the task tested?
5. How important are speaking, listening, reading and writing in learning and performing the task?
6. What are the results of poor performance in performing the task.

Additional data were gathered through use of an Observation Form and an analysis of language structures in the Soldier's Manual for this MOS.

The Observation Form (Appendix 4) was used to record actual observations of the learning situations, populations, tasks, and language.

The lexical and structural analysis was done by a panel of language specialists who first listed all structures found in the Soldier's Manual for this MOS and then all structures, standard and non-standard, noted on the Observation Forms for all vocabulary from the Soldier's Manual. All lists were then combined into an overall lexical and structural inventory.

SUMMARY/CONCLUSION:

The tools for data gathering were:

1. The Task Prioritization Checklist (Appendix 1)
2. The Task Inventory Compiled Data Form (Appendix 2)
3. The Observation Form (Appendix 4)
4. A Structural and Lexical Inventory (consisting of rough drafts of all vocabulary and structures in this MOS).

These tools were used to form the data pool from which the Job Language Requirements were determined.

SECTION II

DETERMINATION OF ENGLISH LANGUAGE SKILLS

INTRODUCTION

This section discusses the organization of the raw data into information used to determine the English language skills pertinent to this MOS.

SECTION II: DETERMINATION OF ENGLISH LANGUAGE SKILLS

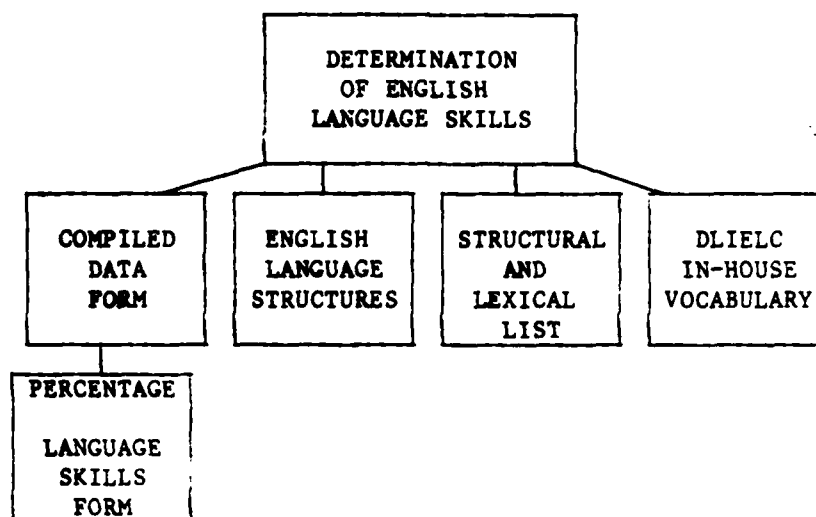


FIGURE 3

The raw data collected as described in Section II above was used to determine the English Language skills which the soldier must learn to learn and perform the task. The Compiled Data Form, Appendix 2, was used to organize the observation and analysis data. Selected information from the Task Prioritization Checklist was recorded directly on this form. Specifically three variables were used to determine the language skills involved. They were:

1. Methods of teaching.
2. Methods of testing.
3. The actual respondents' ratings of the four English language skills.

From each of the three variables the following skills were determined:

VARIABLE	ENGLISH LANGUAGE SKILLS
Methods of Teaching demonstration lecture hands on self-paced	listening, listening, writing listening reading, writing

Methods of Testing performance oral written	listening speaking writing, reading
Rating of English Language Skills listening speaking reading writing	*a response of 2 or 3 on a scale of 1 to 3 was tallied a response of 1, 2, or 3 on a scale of 1 to 5 was tallied

*See A1

In order to determine the relations of the various skills in the MOS, data from the three variables were tallied on the Percentage Language Skills Form. An average was then found using the following formula:

$$TR \div TxVxR = \% \text{ of use}$$

T = total number of tasks per cluster

V = language skill variable per cluster**

R = maximum number of respondents in any task in that cluster

TR = total tally of responses per task per skill

% of use = use of the language skill in the task

Percentages found in this MOS were:

Listening	52%
Speaking	33%
Reading	34%
Writing	29%

As shown by the figures, listening is the most important skill in this MOS. However, in particular duty sections, percentages varied. Appendix 3, the Percentage Language Skills Form, shows the actual skill percentages in each duty position.

**See A3

Organization of structural and lexical items was done by comparing a structural and lexical list extracted from the Soldier's Manual with a structural inventory list extracted from ALC (American Language Center) materials through Volume 2400, at the end of which a trainee is normally qualified for Specialized English Technical Terminology training. By comparing the lists redundancies were eliminated, leaving the final list of structural and lexical items indicated by grammatical title in Appendix 5.

SUMMARY/CONCLUSION:

Organization of the data included the recording of responses on the Task Inventory Compiled Data Form, use of the Percentage Language Skills Form, and the DLIELC in-house structural analysis list. Skills were analyzed by duty section. The actual lexical items in this MOS were grouped and listed task by task. This information was then used to determine the specific Job Language Performance Requirements.

SECTION III

CLUSTERING OF COMMON AND DUTY POSITION TASKS

INTRODUCTION

Due to the overlapping of certain elements among the various MOS, tasks were clustered in order to prevent duplication of effort for each MOS.

This section contains a listing of the clusters for this MOS.

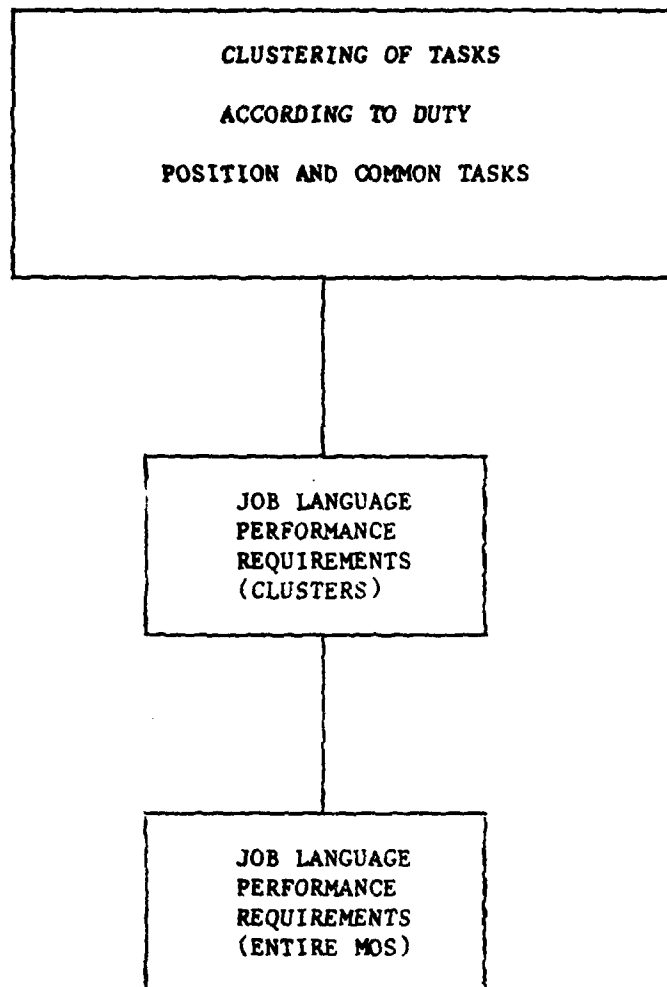


FIGURE 4

SECTION III: CLUSTERING OF COMMON AND DUTY POSITION TASKS

Clustering was done by using the common and duty position tasks in the Soldier's Manual.

The following clusters are in this MOS:

1. FIRST AID
2. NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS
3. INDIVIDUAL FITNESS
4. CAMOUFLAGE
5. LAND NAVIGATION
6. M16A1 RIFLE
7. LOGISTICAL MANAGEMENT
8. SUPPLY
9. MAINTENANCE
10. TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT
11. RIFLES
12. PISTOL, REVOLVER AND SUBMACHINE GUN
13. SHOTGUN, GRENADE AND ROCKET LAUNCHERS
14. MACHINEGUNS
15. MORTARS
16. RECOILLESS RIFLES
17. GUN, AUTOMATIC, 20MM, M139

SECTION IV

JOB LANGUAGE PERFORMANCE REQUIREMENTS

INTRODUCTION

This section discusses the format for the Job Language Performance Requirements.

SECTION IV: JOB LANGUAGE PERFORMANCE REQUIREMENTS

The format for the Job Language Performance Requirements is:

TASK:
CONDITION:
STANDARD:

A. TASK

The Job Language Performance Requirements state the language tasks the soldier must do in studying/performing specific MOS job tasks. A task addressing language would be one of reading, listening, speaking or writing. Job tasks, as seen in the Soldier's Manual, are those which pertain to the soldiers duties. To write these as language tasks required the following explanations of what the soldier would speak, read, listen and write. Below are the kinds of explanations that had to be made in this MOS.

SPEAKING

Produces oral utterances to report/inform/explain/elicit response/respond.

Analysis of this MOS indicates verbal reports entailing those activities directly related to the soldiers job tasks.

The speaking act to respond or elicit response in this MOS is an oral response to a command or visual signal.

Speaking to explain involves situations of instruction in any training situation.

Speaking to inform involves producing oral utterances to communicate necessary information.

READING

Read for information/to learn.

Printed and written materials are used throughout this MOS. The soldier is expected to read technical manuals, fields manuals, soldier's manual, written communication and audio-visual aids. Content of these materials is presented in formats and styles ranging from simple factual words or sentences to complex passages containing highly technical vocabulary, often with ellipsis. The purpose is to teach the student, so the student reads them to learn. Reading to learn involves reading names, attributes, information, procedures, explanations of how systems work, concepts, vocabulary terms, and definitions which are committed to short or long term memory for immediate or later recognition.

Basically, the soldier will use these reading materials to supplement what is stated in a lecture by integrating the information from the different texts or written communiques into his understanding of the previous lecture.

The soldier must develop the ability to understand the words in context, to read in thought units, and then select and understand the main ideas. The soldier must retain, apply, and integrate these ideas with past experience to use in his MOS.

Reading to learn, then, is a synthesis. What is read is to be retained in memory for integration in new experiences.

Reading for information, on the other hand, is quite different. The read material is to be retained only in short term memory, used for a specific purpose (i.e., look up a metric equivalent of 37 pounds) and then forgotten.

LISTENING

Listen to oral information to learn/to report.

In this MOS, lecture is a main method of instruction. The lecture is often supplemented by a demonstration. The soldier listens to the lecture to learn data pertinent to the task. Analysis of lecture presentations indicated many language variables. The soldier hears sub-standard usages, various registers of style and formality, colloquialisms, even profanity in situations ranging from a barracks to a field. The soldier must differentiate between the types of language functions. Is it expression, exchange, description, explanation, argumentation, persuasion, statement, request, or order? The oral information may be directly from the speaker and/or indirectly such as over the telephone, radio, TV, or tape. The soldier must organize and gain meaning from what is heard. Out of all these variables, the soldier must identify or infer the main ideas or major points.

Analysis of this MOS did not and could not specify all types of spontaneous language the soldier would be exposed to. The POI, though, does show the general form of the constrained oral language the soldier must listen to in order to learn the task.

B. CONDITIONS

The condition is what the soldier will be given in order to do the task. For the MOS job, the soldier is given paper, pencil, and printed materials. For language purposes, he will be given certain structural and lexical features as found through the data gathering and organizing from interviews and observations. Again, for the job that the soldier will be given, the material may be under normal working conditions, though other conditions may be added such as with or without protective gear or in darkness.

The soldier will read lists, tables, procedures, checklists or signs, and will hear scenarios, lectures, explanations, and commands. Therefore, these are listed with the Job Language Performance Requirements as possible conditions.

C. STANDARDS

The standard for our purpose is 100%. A standard for understanding or speaking cannot be tested as saying the soldier will disassemble a .45 caliber pistol in eight minutes. Because of this, 100% understandable speech or 100% legibility is used as a reference.

SUMMARY/CONCLUSION:

The Job Language Performance Requirements including tasks, conditions, and standards, were first written for each task cluster. The clusters were then combined into the Job Language Performance Requirements for the entire MOS.

SECTION V

JOB LANGUAGE PERFORMANCE REQUIREMENTS (CLUSTERED)

INTRODUCTION

Sections I, II, III, and IV described how Job Language Performance Requirements were identified and constructed.

This section contains the Job Language Performance Requirements for each task cluster pertinent to this MOS.

FIRST AID

I. PERCENTAGE LANGUAGE SKILLS

Listening	71%
Speaking	42%
Reading	23%
Writing	29%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to respond
CONDITIONS:	Given a medical scenario involving simple questions about an illness in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce oral utterances to explain
CONDITIONS:	Given a simple medical scenario requiring an oral interpretation in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral communication
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, explanations and references
STANDARDS:	100% understanding of printed content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1070	Determine First Aid Measures to be Applied to a Casualty
091-63A-1071	Perform Artificial Respiration Using Chest Pressure-Arm Lift Method

091-63A-1072 Perform Artificial Respiration Using Mouth-to-Mouth Method
091-63A-1073 Stop the Bleeding of a Wound
091-63A-1074 Administer Shock Control Measures to a Casualty
091-63A-1075 Describe First Aid Treatment of Burns
091-63A-2076 Apply First Aid Measures for Fractures, Sprains, and Dislocations
091-63A-2077 Describe First Aid Measures for Removing Foreign Object From Eye
091-63A-2078 Describe Treatment of Environmental Injuries

NUCLEAR, BIOLOGICAL AND CHEMICAL OPERATIONS

I. PERCENTAGE LANGUAGE SKILLS

Listening	70%
Speaking	45%
Reading	27%
Writing	28%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Listen to perform
CONDITIONS:	Given oral warnings or verbal commands regarding simulated NBC situations (scenarios) in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral utterances
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given NBC situations requiring oral alarms
STANDARDS:	100% understandable oral utterances
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, explanations and references
STANDARDS:	100% understanding of printed material
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1001	Put on Protective Mask
091-63A-1002	Give NBC Alarms and Warnings

091-63A-1003	Recognize and Interpret Markers for Areas of NBC Contamination and Hazards
091-63A-1004	Decontaminate Your Skin Using the M58 Training Kit
091-63A-1005	Decontaminate Your Individual Weapon Using ABC-M13 Kit
091-63A-1006	Apply First Aid Measures To a Chemical Casualty
091-63A-1007	Inspect and Maintain M17 or M17A1 Protective Mask and Its Carrier
091-63A-1008	Take Defense Actions Against Effects of a Nuclear Burst and Possible Resulting Fallout
091-63A-2009	Identify the Three Types and Describe Effects of Nuclear Bursts
091-63A-2010	Describe Actions for Crossing a Radiologically Contaminated Area

INDIVIDUAL FITNESS

I. PERCENTAGE LANGUAGE SKILLS

Listening	35%
Speaking	13%
Reading	17%
Writing	19%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

III. TASK NUMBERS AND TITLES

091-63A-1100	Maintain an Appropriate Level of Physical Fitness (MALE ONLY)
091-63A-1101	Maintain an Appropriate Level of Physical Fitness (FEMALE ONLY)

CAMOUFLAGE

I. PERCENTAGE LANGUAGE SKILLS

Listening	64%
Speaking	30%
Reading	13%
Writing	20%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1050 Camouflage Yourself and Your Weapon

LAND NAVIGATION

I. PERCENTAGE LANGUAGE SKILLS

Listening	94%
Speaking	36%
Reading	63%
Writing	55%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of instructions, warnings, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to record the grid reference
STANDARDS:	100% legible written content
TASK:	Write to inform
CONDITIONS:	Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-2140	Measure a Magnetic Azimuth With a Compass
091-63A-2141	Measure an Azimuth on a Map With a Protractor
091-63A-2142	Convert a Magnetic Azimuth to a Grid Azimuth
091-63A-2143	Measure Ground Distance on a Map
091-63A-2144	Locate a Point on a Map Using Military Grid Reference System

091-63A-2145	Orient a Map Using a Compass
091-63A-2146	Determine Your Location on a Map
091-63A-2147	Locate an Unknown Point by Intersection
091-63A-2148	Locate an Unknown Point by Resection
091-63A-2149	Determine Elevation and Relief on a Map
091-63A-2150	Use Map Legend Data to Identify Symbols on a Map

M16A1 RIFLE

I. PERCENTAGE LANGUAGE SKILLS

Listening	74%
Speaking	30%
Reading	23%
Writing	23%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, explanations, procedures and references
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1120	Maintain Individual Weapon
091-63A-1121	Perform Battlesight Zeroing of M16A1 Rifle

LOGISTICAL MANAGEMENT

I. PERCENTAGE LANGUAGE SKILLS

Listening	26%
Speaking	29%
Reading	25%
Writing	24%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understanding of oral communication

TASK: Produce oral utterances to inform
CONDITIONS: Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable oral utterances

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of instructions, charts, tables, pamphlets and procedures
STANDARDS: 100% understanding of printed content

TASK: Write to record and report
CONDITIONS: Given a requirement to complete DA forms and logs
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1300	Use Department of the Army (DA) Pamphlet 310-4
091-63A-1301	Prepare TAMMS Forms Used by Vehicle Operator
091-63A-1302	Perform Equipment Serviceability Criteria (ESC)
091-63A-2303	Use DA Pam 310-7
091-63A-2304	Describe Types of Modification Work Orders (MWO)

SUPPLY

I. PERCENTAGE LANGUAGE SKILLS

Listening	44%
Speaking	31%
Reading	38%
Writing	36%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen for information
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral information
TASK:	Produce oral utterances to inform and respond
CONDITIONS:	Given a requirement to produce a verbal report in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral utterances
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of instructions, procedures and descriptions
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete DA Form 2064 and 3318
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1340	Locate and Record National Stock Number (NSN) for a Repair Part
091-63A-2341	Complete Entries on Document Register for Supply Action (DA Form 2064) and on Record of Demands (DA Form 3318)

MAINTENANCE

I. PERCENTAGE LANGUAGE SKILLS

Listening	33%
Speaking	31%
Reading	23%
Writing	23%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable oral responses

TASK: Read to learn

CONDITIONS: Given printed MOS training materials in the form of procedures outlined in technical and field manuals and Army regulations

STANDARDS: 100% understanding of printed content

TASK: Write to inform

CONDITIONS: Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-63A-1360	Maintain Assigned Tool Kit/Set
091-63A-1361	Maintain Individual Clothing and Equipment

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

I. PERCENTAGE LANGUAGE SKILLS

Listening	61%
Speaking	42%
Reading	42%
Writing	33%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable oral responses

TASK: Read to learn

CONDITIONS: Given printed MOS training materials in the form of warnings, procedures and references

STANDARDS: 100% understanding of printed content

TASK: Write to inform

CONDITIONS: Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1401	Determine Overall Length of Firing Pin of Cal .45 Pistol Using Micrometer
091-45B-2402	Assemble M2 Borescope Assembly for Operation
091-45B-2403	Assemble Pullover Gage Assembly for Operation

RIFLES

I. PERCENTAGE LANGUAGE SKILLS

Listening	49%
Speaking	41%
Reading	42%
Writing	30%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request
CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable oral responses

TASK: Read to learn
CONDITIONS: Given printed MOS training materials in the form of warnings, procedures and references
STANDARDS: 100% understanding of printed content

TASK: Read for information
CONDITIONS: Given printed MOS training materials in the form of a range card
STANDARDS: 100% understanding of printed content

TASK: Write to record
CONDITIONS: Given a requirement to complete a range card
STANDARDS: 100% understandable and legible written content

TASK: Write to inform
CONDITIONS: Given a requirement to write in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1451	Disassemble and Assemble Upper Receiver Group
091-45B-1452	Disassemble and Assemble Lower Receiver Group
091-45B-1453	Diagnose Malfunctions of Rifle
091-45B-1454	Perform Gage Inspection and Repair of Rifle

091-45B-1455 Disassemble and Assemble Rifle
091-45B-1456 Diagnose Malfunctions of Rifle
091-45B-1457 Perform Gage Inspection and Repair of Rifle

PISTOL, REVOLVER AND SUBMACHINEGUN

I. PERCENTAGE LANGUAGE SKILLS

-	Listening	59%
-	Speaking	43%
-	Reading	60%
-	Writing	41%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK: Listen to learn and perform
CONDITIONS: Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understanding of oral communication

TASK: Produce appropriate oral responses spontaneously or upon request

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)

STANDARDS: 100% understandable oral responses

TASK: Read to learn

CONDITIONS: Given printed MOS training materials in the form of warnings, procedures and references

STANDARDS: 100% understanding of printed content

TASK: Read for information

CONDITIONS: Given printed MOS training materials in the form of a range card

STANDARDS: 100% understanding of printed content

TASK: Write to record and report

CONDITIONS: Given a requirement to complete DA forms and logs

STANDARDS: 100% understandable and legible written content

TASK: Write to record

CONDITIONS: Given a requirement to complete a range card

STANDARDS: 100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1501	Disassemble and Assemble Pistol
091-45B-1502	Diagnose Malfunctions of Pistol
091-45B-1503	Perform Gage Inspection and Repair of Pistol

091-45B-1504 Disassemble and Assemble Revolver
091-45B-1505 Diagnose Malfunctions and Repair Revolver
091-45B-1506 Disassemble, Repair, and Assemble M3A1
Submachinegun

SHOTGUN, GRENADE AND ROCKET LAUNCHERS

I. PERCENTAGE LANGUAGE SKILLS

Listening	39%
Speaking	30%
Reading	45%
Writing	31%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, instructions, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% understandable and legible written content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete DA forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1551	Disassemble and Assemble Shotgun
091-45B-1552	Diagnose Malfunctions of Shotgun

091-45B-1553 Perform Gage Inspection and Repair of Shotgun
091-45B-1554 Disassemble, Repair, and Assemble Grenade Launcher
091-45B-1555 Install Grenade Launcher to M16A1 Rifle
091-45B-1556 Disassemble, Repair, and Assemble Launcher
091-45B-1557 Determine Serviceability of Contactor Latch Assembly
and Firing Mechanism Using Electrical Output Tester

MACHINEGUNS

I. PERCENTAGE LANGUAGE SKILLS

Listening	60%
Speaking	43%
Reading	57%
Writing	38%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, instructions, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of a range card
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete a range card
STANDARDS:	100% understandable and legible written content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete DA forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-1601	Perform General Disassembly and Assembly of Machinegun
091-45B-1602	Perform Detailed Disassembly and Assembly of Machinegun

091-45B-1603	Perform Gage Inspection and Repair of Machinegun
091-45B-1604	Disassemble, Repair and Assemble M122 Machinegun Mount
091-45B-1605	Remove and Install Major Groups and Assemblies
091-45B-1606	Disassemble and Assemble Major Groups and Assemblies
091-45B-1607	Adjust Headspace and Timing of Machinegun
091-45B-1608	Diagnose Malfunctions of Machinegun
091-45B-1609	Perform Gage Inspection and Repair of Machinegun
091-45B-1610	Disassemble, Repair and Assemble M3 Tripod Mount
091-45B-2611	Perform General Disassembly and Assembly of Machinegun
091-45B-2612	Perform Detailed Disassembly and Assembly of Machinegun
091-45B-1613	Perform Gage Inspection and Repair of Machinegun
091-45B-2614	Perform General Disassembly and Assembly of Machinegun
091-45B-2615	Perform Detailed Disassembly and Assembly of Machinegun
091-45B-2616	Perform Gage Inspection and Repair of Machinegun

MORTARS

I. PERCENTAGE LANGUAGE SKILLS

Listening	59%
Speaking	43%
Reading	55%
Writing	40%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read to learn
CONDITIONS:	Given printed MOS training materials in the form of procedures, instructions, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given a requirement to complete DA forms and logs
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-2651	Disassemble, Repair, and Assemble Cannon and Baseplate
091-45B-2652	Disassemble, Repair, and Assemble Traversing Mechanism and Shock Absorber Assembly
091-45B-2653	Disassemble, Repair, and Assemble Bipod and Elevating Mechanism Assembly
091-45B-2654	Determine Serviceability of Cannon Using Pullover Cage
091-45B-2655	Inspect Cannon Tube Using M2 Borescope
091-45B-2656	Remove and Install Shock Absorbers From, or To Cannon Assembly

091-45B-2657 Disassemble, Repair, and Assemble Standard Assembly
091-45B-2658 Disassemble, Repair, and Assemble Baseplate Assembly
091-45B-2659 Determine Serviceability of Cannon Using Pullover Gage
091-45B-2660 Inspect Cannon Tube Using M2 Borescope

RECOILLESS RIFLES

I. PERCENTAGE LANGUAGE SKILLS

Listening	24%
Speaking	15%
Reading	12%
Writing	8%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen for information
CONDITIONS:	Given oral instructions to perform task specific assignments in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral information
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of procedures, instructions, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record
CONDITIONS:	Given a requirement to complete DA forms
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-2701	Disassemble and Assemble Rifle
091-45B-2702	Perform Gage Inspection and Repair of Rifle
091-45B-2703	Remove and Install M8C Spotting Gun
091-45B-2704	Disassemble, Repair, and Assemble MSC Spotting Gun
091-45B-2705	Remove, Disassemble, Repair, Assemble, and Install Breechblock and Hinge Assembly
091-45B-2706	Remove and Install Hinge Block, Trigger Housing Group Vent Assembly, and Firing Cable Group

091-45B-2707 Disassemble, Repair, and Assemble M79 Recoilless
Rifle Mount
091-45E-2708 Inspect M206 Recoilless Rifle Cannon M2 Borescope

GUN, AUTOMATIC, 20MM, M139

I. PERCENTAGE LANGUAGE SKILLS

Listening	27%
Speaking	17%
Reading	11%
Writing	8%

II. JOB LANGUAGE PERFORMANCE REQUIREMENTS

TASK:	Listen to learn and perform
CONDITIONS:	Given oral instructions or verbal commands in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understanding of oral communication
TASK:	Produce appropriate oral responses spontaneously or upon request
CONDITIONS:	Given any verbal stimulus in the form of questions, scenarios or instructions in any training situation (Appendix 4), using standard and non-standard structural and lexical items (Appendices 5 & 7)
STANDARDS:	100% understandable oral responses
TASK:	Read for information
CONDITIONS:	Given printed MOS training materials in the form of instructions, procedures, warnings and references
STANDARDS:	100% understanding of printed content
TASK:	Write to record and report
CONDITIONS:	Given the requirement to complete DA forms
STANDARDS:	100% understandable and legible written content

III. TASK NUMBERS AND TITLES

091-45B-2751	Disassemble and Assemble Automatic Gun
091-45B-2752	Disassemble, Repair, and Assemble Automatic Gun Feeder and Recoil Adapter
091-45B-2753	Perform Gage Inspection and Repair of Automatic Gun

SECTION VI

JOB LANGUAGE PERFORMANCE REQUIREMENTS (Entire MOS)

INTRODUCTION

This section contains language tasks for each generic skill for this MOS. Listed below each task are the types of receptive or productive language activity involved.

LISTENING

- TASK:** Understand oral language intended to inform or instruct.
- CONDITIONS:** Given explanations, procedures, rules, instructions or definitions in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5 & 6)
- STANDARDS:** 100% understanding and assimilation of presented oral language task.

The following are specific conditions found in this language task:

Warnings
Described situations
Directions
Lectures
Commands, Orders
Sound tracks (films, tapes)
Standard/Non-standard English
Instructions
SQT questions

- TASK:** Understand spontaneous oral language or language via a technical medium - such as a radio telephone - intended to inform and elicit responses.
- CONDITIONS:** Given scenarios, questions, commands or requests in simple to complex lexicon and syntax, formal or informal registers, casual or colloquial speech, military jargon, slang or dialectical speech in any training situation. (Appendices 4, 5, & 6)
- STANDARDS:** 100% understanding and assimilation of oral language in order to apply and respond.

The following are specific conditions found in this language task:

Shouting
Radio communications
Coded messages
Spellings
Conversation
Requests

SPEAKING

TASK: Formulate and produce appropriate oral responses spontaneously.

CONDITIONS: Given any verbal stimulus in the form of questions, scenarios, instructions, or cues in any training situation.
(Appendices 5 & 6)

STANDARDS: 100% understandable oral response using correct lexicon and syntax for the training situation.

The following are specific conditions found in the language task:

- Explanations
- Statements
- Repetitions
- Counting
- Corrections
- Assignments
- Notifications
- Oral reports
- Answers
- Clarifications
- Information

TASK: Produce oral utterances to interact and communicate spontaneously or via a technical medium such as radio telephone.

CONDITIONS: Given a communicative situation (Appendices 4, 5, & 6 Soldier's Manual) in any training situation.

STANDARDS: 100% understandable communication using correct lexicon and syntax for the communication act.

The following are specific conditions found in this language task:

- Requesting information
- Requesting permission
- Transmitting messages
- Call signs
- Vocal signals
- Shout warnings
- Radio communications
- Target locations
- Directions (N,S,E,W)
- Directions, general
- Requests for fire
- Report on the results of fire
- Challenges/Passwords
- Training sessions
- Interaction

READING

TASK: Read MOS training in the form of printed prose or graphic representations in order to learn processes, concepts, vocabulary, definitions and identifications, to calculate problems, intercept codes and complete forms.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex printed form in any training situation.
(Appendices 4, 5 & 6)

STANDARDS: 100% understanding of printed content.

The following are specific conditions found in this language task:
Captions with illustrations.

Lists	Extracts
Procedures	Columns
Information	Indices
Definitions	Charts
Outlines	Methods
Signs	Technical Vocabulary
Markers	Standard Operating Procedures
References	Cartoons
Rules	Problems
Maps	Manuals
Flags	Graphic Training Aids
Military Documents	
I.D. Papers	
Regulations	

TASK: Identify, understand, and interpret written utterances pertinent to MOS training in technical or non-technical language.

CONDITIONS: Given technical, non-technical, lexical and structural features in simple to complex written form in any training situation.
(Appendices 4, 5 & 6)

STANDARDS: 100% understanding of written content.

The following are specific conditions found in this language task:

Lists
Information
Descriptions
Radiation readings off dosimeter
Coordinate scales
Callsigns-suffices
Three-letter codes
Examples
Calculations
Markings
Radio communications
Range cards
Notes
Messages

WRITING

- TASK:** Upon instruction, write in conventional orthography, letter, numbers, words or sentences appropriate to the training situation.
- CONDITIONS:** Given standardized forms, paper or answer sheets and the instructions to list, answer, describe or recall.
- STANDARDS:** 100% syntactical and lexical correctness and legibility of writing which is also appropriate in style and usage to training situations. (Appendix 4)

The following are specific conditions found in this language task:

Ratings
Signatures
Range cards
Data symbols
Answers
Descriptions
Notes
Reports

- TASK:** Write, in conventional orthography, letters, or specialized code, numbers, words or sentences in order to transmit or record information.
- CONDITIONS:** Given standardized forms or paper and oral communication.
- STANDARDS:** 100% syntactical and lexical correctness of writing which can be read by another speaker of English.

The following are specific conditions found in this language task:

Technical forms
Codes
Grid coordinates
Decoded messages
Encoded messages
Logbooks
Plottings
Figures
Reports
Tags
Range cards
Applicable DA forms

APPENDICES

1. Task Prioritization Checklist
2. Task Inventory Compiled Data Forms
3. Percentage Language Skills
4. Observation Form
5. Structural/Lexical list
6. Vocabulary (DLIELC in-house)
7. Vocabulary (machine-generated)
8. English Language Structures

APPENDIX 1

TASK PRIORITIZATION CHECKLIST

This Checklist was approved by the
Department of the Army in 1980.

YOUR CURRENT MOS: _____
(PRESENTLY WORKING IN)

POS IN WHICH YOU WERE TRAINED: _____
POSITION: _____
UNIT: _____

*RATING: 1=low
2= med
3= high

YES / NO ASK TAUGHT?

LISTENING*
SPEAKING*
READING*
WRITING*
OF:

LECTURE
SELF-PACED
DEMONSTRATION
HANDS-ON
TAUGHT

YES / NO IS TASK TESTED?

WRITTEN
ORAL
PERFORMANCE
PERSON
EQUIPMENT
TESTED? RESULTS DANGER

APPENDIX 2

TASK INVENTORY COMPILED DATA FORM

This form was used to record data from
the Task Prioritization Checklist.

TRAINING SPECIALIST

09/10

230

NUMBER OF RESPONDENTS

DATA OBTAINED FROM

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS	UNIT		IMPORTANCE	EQUIPMENT	DANGER TO PERSON OR	MOS	DATA OBTAINED FROM	TRAINING SPECIALIST	NUMBER OF RESPONDENTS		
						tested?	difficult?									
091-63A-1001			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1003			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1004			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1005			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1006			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1007			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1008			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1009			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1010			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											
091-63A-1011			self-paced hands-on demonstration lecture	written oral performance	writing reading speaking listening											

NBC

50741
7107

TRAINING SPECIALIST

LAND AND WATER ONLY

DATA OBTAINED FROM TRAINING SPECIALIST

100-200000 21/12/2016

4200000000 100/45/90

TRAINING SPECIALIST

3

2152

TRAINING SPECIALIST

5000 21-10-1941

	MOS _____	NUMBER OF RESPONDENTS _____
	DATA OBTAINED FROM _____	TRAINING SPECIALIST _____

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS
			writing		
			reading		
			speaking		
			listening		
			written		
			oral		
			performance		
			self-paced		
			hands-on		
			demonstration		
			lecture		
			danger to person or equipment		
			importance		
			difficulty?		
			tested?		
			taught?		
09-458-1604					
09-458-1605					
09-458-1606					
09-458-1607					
09-458-1608					
09-458-1609					
09-458-1610					
09-458-1611					
09-458-1612					
09-458-1613					

Nov 7 1925

TRAINING SPECIALIST

20110112

TRAINING SPECIALIST

TASK NUMBER	AIT	CRITICALITY	METHODS OF TEACHING	METHODS OF TESTING	RATING OF ELS.
					writing
					reading
					speaking
					listening
					written
					oral
					performance
					self-paced
					hands-on
					demonstration
					lecture
					danger to person or equipment
					importance
					difficulty?
					tested?
					taught?

APPENDIX 3

PERCENTAGE LANGUAGE SKILLS

This appendix contains the computations for the percentages of listening, speaking, reading and writing involved in each cluster.

Some clusters have two sets of computations because some Task Prioritization Forms were received after original computations and had to be added on.

PERCENTAGE LANGUAGE SKILLS
NOS 45B

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\% = \frac{TR + (T)(V)(R)}{TR + (T)(V)(R)}$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
First Aid 091-63A-1070 THW 091-63A-1074 091-63A-2075 THW 091-63A-2078	$9 \times 5 \times 4 = 180$ 28 25 16 27 32 128 180 $\sqrt{128.000}$.711	$9 \times 2 \times 1 = 72$ 10 20 30 72 $\sqrt{30.000}$.417	$9 \times 3 \times 4 = 108$ 2 8 15 25 108 $\sqrt{25.000}$.231	$9 \times 4 \times 4 = 144$ 25 2 8 7 42 144 $\sqrt{41.000}$.292
	71%	42%	23%	29%
NBC 091-63A-1001 THW 091-63A-1008 091-63A-2009 091-63A-2010	$10 \times 5 \times 5 = 250$ 36 34 29 34 43 176 250 $\sqrt{176.000}$.704	$10 \times 2 \times 5 = 100$ 21 24 45 100 $\sqrt{45.000}$.450	$10 \times 3 \times 5 = 150$ 7 7 7 21 150 $\sqrt{40.000}$.267	$10 \times 4 \times 5 = 200$ 34 8 1 8 55 200 $\sqrt{55.000}$.275
	70%	45%	27%	28%
Individual Fitness 091-63A-1100 091-63A-1101	$2 \times 5 \times 4 = 40$ 2 3 2 3 4 14 40 $\sqrt{14.000}$.350	$2 \times 2 \times 4 = 16$ 1 1 2 16 $\sqrt{12.000}$.125	$2 \times 3 \times 4 = 24$ 2 0 2 4 24 $\sqrt{4.000}$.167	$1 \times 1 \times 4 = 32$ 3 2 0 1 6 32 $\sqrt{6.000}$.188
	35%	13%	17%	19%
				48

PERCENTAGE LANGUAGE SKILLS
NOS 45B

TR = total number of responses to variables in the cluster

T = number of tasks in cluster

V = var. cs

R = max. number of respondents in any task in that cluster

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{TR} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
CAMOUFLAGE 091-63A-1050	$1 \times 5 \times 5 = 25$ $\begin{array}{r} 4 \\ 2 \\ 2 \\ 4 \\ 4 \\ \hline 16 \end{array}$ $25 \overline{) 16.000} \quad .640$	$1 \times 2 \times 5 = 10$ $\begin{array}{r} 0 \\ 3 \\ \hline 3 \end{array}$ $10 \overline{) 3.000} \quad .300$	$1 \times 3 \times 5 = 15$ $\begin{array}{r} 0 \\ 0 \\ 2 \\ \hline 2 \end{array}$ $15 \overline{) 2.000} \quad .133$	$1 \times 4 \times 5 = 20$ $\begin{array}{r} 2 \\ 0 \\ 0 \\ 2 \\ \hline 4 \end{array}$ $20 \overline{) 4.000} \quad .200$
	64%	30%	13%	20%
LAND NAVIGATION 091-63A-2140 T.H.W. 091-63A-2150	$11 \times 5 \times 3 = 165$ $\begin{array}{r} 31 \\ 31 \\ 31 \\ 31 \\ 31 \\ \hline 155 \end{array}$ $165 \overline{) 155.000} \quad .929$	$11 \times 2 \times 3 = 66$ $\begin{array}{r} 12 \\ 12 \\ \hline 24 \end{array}$ $66 \overline{) 24.000} \quad .364$	$1 \times 3 \times 3 = 9$ $\begin{array}{r} 9 \\ 2 \\ 31 \\ \hline 62 \end{array}$ $99 \overline{) 62.000} \quad .626$	$11 \times 4 \times 3 = 132$ $\begin{array}{r} 31 \\ 19 \\ 12 \\ 11 \\ \hline 73 \end{array}$ $132 \overline{) 73.000} \quad .550$
	94%	36%	63%	55%
M16A1 RIFLE 091-63A-1120 091-63A-1121	$2 \times 5 \times 5 = 50$ $\begin{array}{r} 5 \\ 5 \\ 7 \\ 10 \\ 10 \\ \hline 37 \end{array}$ $50 \overline{) 37.000} \quad .740$	$2 \times 2 \times 5 = 20$ $\begin{array}{r} 0 \\ 6 \\ \hline 6 \end{array}$ $20 \overline{) 6.000} \quad .300$	$2 \times 3 \times 5 = 30$ $\begin{array}{r} 3 \\ 0 \\ 4 \\ \hline 7 \end{array}$ $30 \overline{) 7.000} \quad .233$	$2 \times 4 \times 5 = 40$ $\begin{array}{r} 5 \\ 3 \\ 0 \\ 1 \\ \hline 9 \end{array}$ $40 \overline{) 9.000} \quad .225$
	74%	30%	23%	23%
				69

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variables
R = maximum number of respondents in any task in that cluster

PERCENTAGE LANGUAGE SKILLS NOS 45B

FORMULA	LISTENING	SPEAKING	READING	WRITING
	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
LOGISTICAL MANAGEMENT	$5 \times 5 \times 7 = 175$ 9 4 9 9 14 <u>45</u> $175 \overline{) 45.000}$.257	$5 \times 2 \times 7 = 70$ 2 18 <u>20</u> $70 \overline{) 20.000}$.286	$5 \times 3 \times 7 = 105$ 3 8 15 <u>26</u> $105 \overline{) 26.000}$.248	$5 \times 4 \times 7 = 140$ 4 3 8 18 <u>33</u> $140 \overline{) 33.000}$.236
	26%	29%	25%	24%
SUPPLY	$2 \times 5 \times 8 = 80$ 5 4 8 7 11 <u>35</u> $80 \overline{) 35.000}$.438	$2 \times 2 \times 8 = 32$ 1 9 <u>10</u> $32 \overline{) 10.000}$.313	$2 \times 3 \times 8 = 48$ 2 6 10 18 <u>375</u> $48 \overline{) 18.000}$.375	$2 \times 4 \times 8 = 64$ 4 2 6 11 <u>23</u> $64 \overline{) 23.000}$.357
	44%	31%	38%	36%
MAINTENANCE	$2 \times 5 \times 8 = 80$ 3 4 6 6 7 <u>26</u> $80 \overline{) 26.000}$.325	$2 \times 2 \times 8 = 32$ 2 8 <u>10</u> $32 \overline{) 10.000}$.313	$2 \times 3 \times 8 = 48$ 2 1 8 11 <u>229</u> $48 \overline{) 11.000}$.229	$2 \times 4 \times 8 = 64$ 4 2 1 8 <u>15</u> $64 \overline{) 15.000}$.23
	23%	31%	23%	23%
				70

**PERCENTAGE LANGUAGE SKILLS
NOS 45B**

TR = total number of responses to variables in the cluster
T = number of tasks in the cluster
V = variable
R = maximum number of respondents in any task in that cluster.

FORMULA	LISTENING	SPEAKING	READING	WRITING
$\frac{TR + (T)(V)(R)}{TR} = \%$	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
TEST MEASUREMENT AND DIAGNOSTIC EQUIPMENT	$3 \times 5 \times 8 = 120$ 17 7 15 15 19 73 120 $\overline{) 73.000}$.608	$3 \times 2 \times 8 = 48$ 1 19 20 48 $\overline{) 20.000}$.417	$3 \times 3 \times 8 = 72$ 10 3 17 30 72 $\overline{) 30.000}$.417	$3 \times 4 \times 8 = 96$ 7 10 3 12 32 96 $\overline{) 32.000}$.333
091-45B-1401 091-45B-2402 091-45B-2403	61%	42%	42%	33%
RIFLES	$7 \times 5 \times 8 = 280$ 14 4 36 43 40 137 280 $\overline{) 137.000}$.489	$7 \times 2 \times 8 = 112$ 7 39 46 112 $\overline{) 46.000}$.411	$7 \times 3 \times 8 = 168$ 9 1 18 71 168 $\overline{) 71.000}$.423	$7 \times 4 \times 8 = 224$ 4 29 4 29 66 224 $\overline{) 66.000}$.295
091-45B-1451 THRU 091-45B-1457	49%	41%	42%	30%
PISTOL, REVOLVER, AND SUBMACHINE GUN	$6 \times 5 \times 8 = 240$ 13 6 44 40 39 142 240 $\overline{) 142.000}$.592	$6 \times 2 \times 8 = 96$ 6 35 41 96 $\overline{) 41.000}$.427	$6 \times 3 \times 8 = 144$ 32 10 45 87 144 $\overline{) 87.000}$.601	$6 \times 4 \times 8 = 192$ 6 32 10 31 79 192 $\overline{) 79.000}$.411
091-45B-1501 THRU 091-45B-1506	59%	43%	61%	41%
				71

TR = total number of responses to variables in the cluster
 T = number of tasks in the cluster
 V = variables
 R = maximum number of respondents in any task in that cluster

PERCENTAGE LANGUAGE SKILLS MOS 45B

FORMULA	LISTENING	SPEAKING	READING	WRIT
TR + (T)(V)(R) = %	-demonstration -lecture -hands-on -performance (test) -rating (scale)	-oral (test) -rating (scale)	-self-paced -written (test) -rating (scale)	-lecture -self-paced -written (test) -rating (scale)
Cluster	5 = 100%	2 = 100%	3 = 100%	4 = 100%
SHOTGUN, GRENADE AND ROCKET LAUNCHERS 091-45B-1551 THRU 091-45B-1557	$7 \times 5 \times 8 = 280$ 8 2 38 27 34 109 $280 \overline{) 109.000} \quad .389$	$7 \times 2 \times 8 = 112$ 2 32 34 $112 \overline{) 34.000} \quad .304$	$7 \times 3 \times 8 = 168$ 25 12 39 76 $168 \overline{) 76.000} \quad .452$	$7 \times 4 \times 8 = 224$ 2 25 12 31 70 $224 \overline{) 70.000} \quad .313$
	39%	30%	45%	31%
MACHINEGUNS 091-45B-1601 THRU 091-45B-1610 091-45B-2611 THRU 091-45B-2616	$16 \times 5 \times 8 = 640$ 29 15 116 105 118 383 $640 \overline{) 383.000} \quad .598$	$16 \times 2 \times 8 = 256$ 7 102 109 $256 \overline{) 109.000} \quad .426$	$16 \times 3 \times 8 = 384$ 85 16 118 219 $384 \overline{) 219.000} \quad .570$	$16 \times 4 \times 8 = 512$ 15 85 16 80 196 $512 \overline{) 196.000} \quad .383$
	60%	43%	57%	38%
MORTARS 091-45B-2651 THRU 091-45B-2660	$10 \times 5 \times 7 = 350$ 23 8 59 60 58 208 $350 \overline{) 208.000} \quad .594$	$10 \times 2 \times 7 = 140$ 2 58 60 $140 \overline{) 60.000} \quad .429$	$10 \times 3 \times 7 = 210$ 38 18 60 116 $210 \overline{) 116.000} \quad .552$	$10 \times 4 \times 7 = 280$ 8 38 18 49 113 $280 \overline{) 113.000} \quad .404$
	59%	43%	55%	40%
				72

T = total number of responses to variables in the cluster
V = number of tasks in the cluster
V = variab
R = maximum number of respondents in any task in that cluster

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APPENDIX 4

OBSERVATION FORMS

The attached forms were taken to the actual training where observers recorded actual training situations and language used in the training. These forms were used to indicate the CONDITIONS for the Job Language Performance Requirements in this MOS.

MOS _____

PERSON RECORDING _____

LOCATION
(UNIT/ALT) _____

SUBJECT _____

* TASK NUMBER IF KNOWN _____

Physical Environment of Instruction

- A. Classroom
 - B. Open Areas (live firefield- mark-up terrain)
 - C. Large enclosed area (bleacher sites)
(Warehouse size)
 - D. Other
- Comments:

Styles of Communication Instructor, Verbal orders

- A. Formal Speech
 - B. Informal Speech
 - C. Regional/Ethnic
 - D. Body Language
 - E. Profanity
 - F. Shop talk/slang
 - G. Non-standard English
 - I. Other
- Comments:

Media of Instruction

- A. Films
 - B. Video cassettes
 - C. Graphic Training Aids (diagrams, etc....)
 - D. Illustrations (requiring reading/not requiring reading)
 - E. Maps
 - F. Mock-ups
 - G. Models/Animates
 - H. 1 equipment
 - I. Transparencies
 - J. Tape cassettes
 - K. Training Publications (required/available)
 - L. Signs/Notices
 - M. P.A. System
 - N. Normal Voice
 - O. Soldier's Manual
 - P. Chalkboard
 - Q. Other
- Comments:

Mode of Response

- A. Manipulating a piece of equipment/device
 - B. Answers (spoken - written)
 - C. Signals
 - D. Performance
 - E. Taking Notes
 - F. Teamwork
 - G. Other
- Comments:

Instructional Ratio

- A. Instructor one-to-one/class
 - B. Peer/one-to-one
 - C. Group or Committee Group (group of instructors of whom one teaches one portion of the whole)
 - Small (12 or less)
 - Large (more than 12)
 - D. Questions
- Comments:

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APPENDIX 5

STRUCTURAL/LEXICAL LIST

Attached is the list of
structural and lexical items
for this MOS.
(For discussion, see Section II)

STRUCTURAL ITEMS

SENTENCE PATTERNS

SIMPLE: One subject and one predicate

1. Subject and action verb
Firer aims.
2. Subject and action verb and direct/indirect object
Many things cause burns.
3. Subject and linking verb and subjective complement
This is very important.

COMPOUND: Two or more sentences joined by:

1. Coordinating conjunction

Explain the task and ask the trainees if they understand the task, and the conditions they are expected to perform at the end of the session, the conditions under which they must operate, and the standard they must achieve.

2. Conjunctive adverb

Do not start or stop the vehicle while the radio is on or you may damage the set.

3. Semicolon

A light pressure is exerted on the driving spring when the bolt is forward; however, never attempt to cock the gun while the backplate is off and the driving spring assembly is in place.

COMPLEX: One or more dependent clauses

1. Adjectival (functions as an adjective by modifying nouns and pronouns)

At the bottom of the map you will find three different bar scales which will help you to change map distance to miles, meters, or yards.

2. Adverbial (functions as an adverb by modifying verbs, adjectives, and other adverbs) The mouth-to-nose method is performed in the same way except you blow into his nose while you pinch his lips closed with one hand.

3. Noun (functions as a noun) The person who is performing artificial respiration quickly blows into the casualty's lungs after each five compressions.

SENTENCE TYPES

1. INTERROGATIVE

(do, does, modal, wh-, tag, inverted)
But what about the other 15 meters?
Ask, "What is there?"

2. DECLARATIVE

Classified information will not be discussed over the telephone.

3. EXCLAMATORY

HALT!

4. IMPERATIVE

Issue the challenge in a soft voice and wait for the (requests, commands, second person (singular/plural, negative/affirmative), First and second person (let's)) stranger to reply with the correct password.

5. ELLIPSIS:

Split the bracket until fire for effect is possible. Most common type of ellipsis--subject deleted

6. FRAGMENT

Movement to occupy a position.
All other parts.

ADVERBIAL CLAUSES

1. PURPOSES

Training must be conducted so that at least 80% of the students can accomplish the task trained to the standards specified for the task.

2. CONTRAST

Although natural terrain features are likely not to change and make good reference points to orient a map, you may also use manmade features such as roads, bridges, etc., to orient your map.

3. COMPARISON

Place suitable material under him as well as over him if necessary.

4. RESULT

Blending is the use of camouflage materials on, over, and around an object so that it appears to be part of the background.

5. MANNER

Take deep breath and place mouth around soldier's mouth; then blow forcefully as you observe his chest.

6. TIME

When you have to go a certain distance on foot without any landmarks to guide you, you can measure distance pretty accurately by counting your paces.

Split the bracket until fire for effect is possible.

7. PLACE

Loosen clothing at neck, waist, and other places where it tends to bind.

8. CAUSE

Be careful not to depress the trigger, since this will cause the firing pin to be released.

9. ADVERSATIVE

The casualty has no fractures, but has a bleeding wound.

10. CONDITION

If it isn't, your rifle can still fire, but it could possibly explode, causing you harm.

PHRASES

1. GERUND

(upon) Hearing the correct password, give permission to pass if you have no other reasons to doubt.

2. PARTICIPIAL

Using a straightedge draw a line between the two objects.

3. INFINITIVE

To camouflage exposed skin paint the shiny areas with a dark color.

4. PREPOSITIONAL

Under certain light conditions, front sight ports can be seen, but you can't determine whether you are looking through, above, or to the side of the rear sight aperture.

LEXICAL ITEMS

ADJECTIVALS

"rifle bore cleaner"
"waste material"
"burning residue"
"semi-fixed ammunition"
"extracting/loading ammunition"
"firing hammer"
"four life-saving steps"
"chest/heart massage"
"tourniquet material"
"field material"
"field condition"
"mouth-to-mouth resuscitation"

ADJECTIVES

1. WORD + ABLE

AVAILABLE

2. COMPARATIVES

Threat main tanks are smaller than the US main battle tanks.

3. SUPERLATIVES

The most dangerous targets are those that see you, have the capability of killing you, and appear to be preparing to engage you.

PRONOUNS

1. INDEFINITE

Have someone walk the FDL (if enemy situation permits), and determine dead space (sections of FDL where individual drops below line of sight).

2. POSSESSIVE

Shake his shoulder and shout, "Are you OK.?"

3. SUBJECTIVE

This will give you correct nomenclature.

4. OBJECTIVE

It will also give you the correct functioning.

5. REFLEXIVE

Keep yourself clear of the muzzle.

VERBS

1. VERB TENSES

Make sure you clearly understand the task you are to teach.

--You will be tested.

--If they elect to take it, they must complete the test once they have begun the first event or else they will receive a NO GO for the entire test.

--If the soldier is breathing, mouth-to-mouth resuscitation is not necessary.

--When all 10 pebbles have been moved to the left pocket, you have traveled one kilometer.

--Have someone walk the FDL and determine dead space.

--Sensing is an instantaneous determination by the grenadier as to where the grenade exploded.

present progressive verb
present verb (uninflected, third
person, indicative)
past tense (regular/irregular)
present perfect
future

2. TYPES

intransitive
(You) train for results.

transitive
Mask the casualty.

linking
The skin becomes inflamed.

3. VOICE

active

recognize
protect
is facing
remove
explode
sounds
points out
seen

appear
seek
secure
wear
mask
stored
do require
could affect

has
must be
wipe
rinse
put brush
empty
reassemble
reinstall

passive

given
is protected
is sprayed

are alerted
are reported
have been corrected

are authorized
be corrected

passive+verb+ing
"task will be performed
using procedures"
modal+passive voice
"can be determined"
modal+negative+passive
"must not be eliminated"

4. MODALS

You must demonstrate, once every 6 months, that you can meet or exceed the minimum level of physical fitness required of each member of your unit in accordance with the standards contained in AR 600-9.

Personnel over the age of 40 may elect not to take the APFT. The pulse should be found in the soft area between the Adam's apple and the large muscle on the side of the neck.

Injury or death could result.

During surveillance the operator will have to adjust the range focus to get a sharp image at different ranges.

"might have to be placed"
"be"
"will be given"
"should be"
"must"
"must be"
"can"
"can be"
"may be"
"should not be"

5. AUXILIARIES

(do, does, negative)

Do not zero in under 100 meters.

If the round does not fall within 5 meters of target, zeroing procedures are called for.

GERUNDS

Sensing is an instantaneous determination by the grenadier as to where the grenade explodes with respect to the target.

INFINITIVES

- To fire, hold the M16A1 in the rest with your right shoulder firmly against the weapon's butt plate.

ADVERBS +

1. SUPERLATIVE

When such a line of fire exists, the primary sector will be assigned, based on it, with the FDL being the sector limit closest to the friendly troops.

2. INDEFINITE

The launcher has a heavy coat of oil on working parts, and a light coat of oil elsewhere.

3. FREQUENCY

Apply a little graphite grease to the threads of the antenna section for easy removal and to prevent the sections from seizing if they have been rarely removed.

4. OTHER

Assembly procedure for the grenade launcher merely reverses disassembly steps.

5. COMPARATIVE

The care, cleaning, lubrication and adjustment of the mount used with the gun are no less important.

VERBS AND PREPOSITIONS

Line up the key in the receptacle with the slot in the cable connector.

VERBS AND ADVERB

(particles)

Put on the protective mask within nine seconds of the chemical alarm and remain in the contaminated area for at least two minutes without making further adjustments to the mask.

APPENDIX 6

VOCABULARY (DLIELC IN-HOUSE)

The following vocabulary list was extracted from the Soldier's Manual task by task and then categorized into GENERAL, BASIC AND TECHNICAL vocabulary.

NOT APPLICABLE

REF: On 15 MAY 1981 agreement between
TRADOC and DLIELC was reached
that DLIELC In-House Vocabulary
would not be produced for this
MOS.

APPENDIX 7

Appendix 7 is the machine-generated vocabulary list. It was not useful for our purposes. It is included as a vocabulary reference.

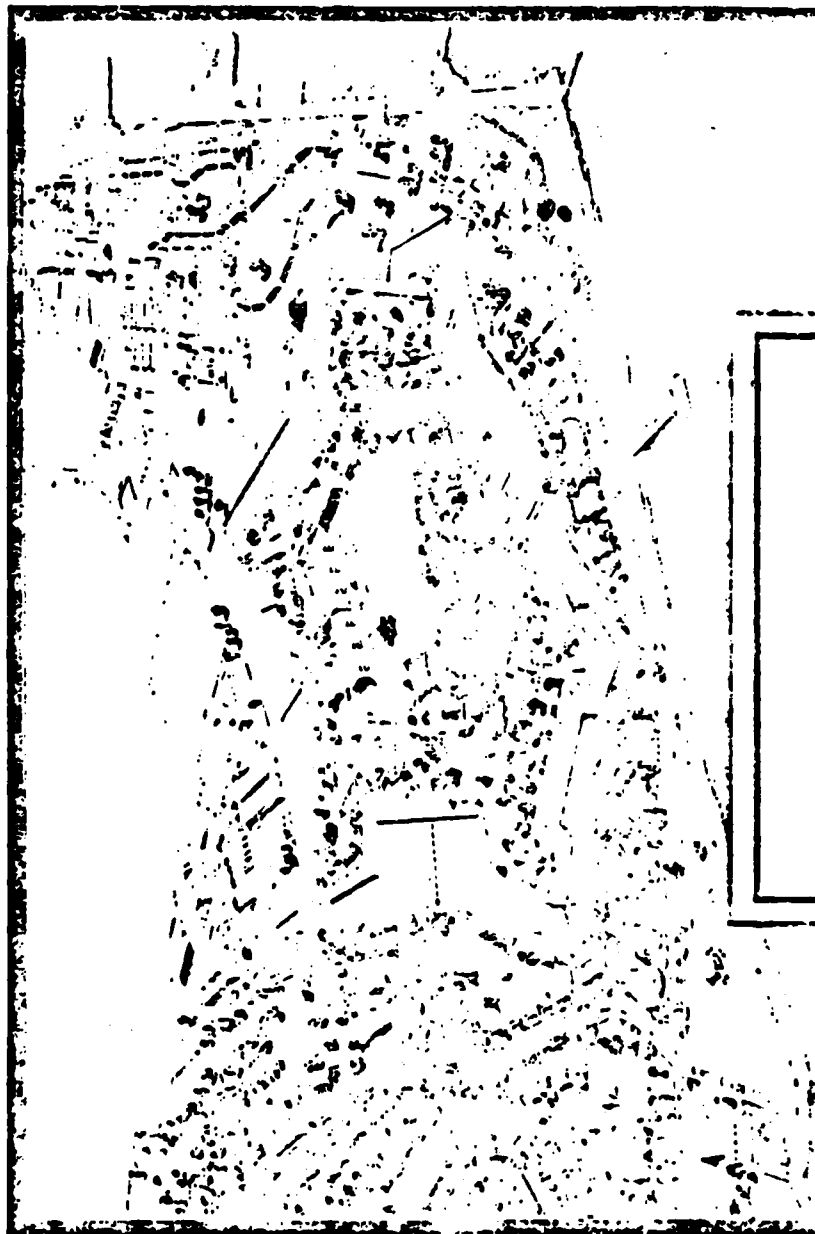
HEADQUARTERS

DATA CONTROL NUMBER

JOB NO / PROJECT

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651



NOV 2 52

45 B-1

PREPARED BY: OPERATIONS DIV. DPFO

COPY ____ OF ____ COPIES

1 GRIP	16 GUN	1 GUN	9 GRIPS
4N 80	5 GUN	1 GUN	6 GRIP
1 GUN	9 GUN	1 GUN	1 GUN
4 GUN	20 GUN	1 GUN	14 HANDLE
1 GUN	14 GUN	1 GUN	2 HEADLESS
1 GUN	1 GUN	1 GUN	1 HEADLESS
1 GUN	1 GUN	1 GUN	4 HOUSING
1 GUN	1 GUN	1 GUN	1 INCH-POUND
1 GUN	1 GUN	1 GUN	24 INSPECT
1 GUN	1 GUN	1 GUN	2 IN
1 GUN	1 GUN	1 GUN	2 IT
1 GUN	1 GUN	1 GUN	26 LATCH
1 GUN	1 GUN	1 GUN	1 LEADS
1 GUN	1 GUN	1 GUN	1 LEGS
1 GUN	1 GUN	1 GUN	12 LEVER
1 GUN	1 GUN	1 GUN	1 LINE
1 GUN	1 GUN	1 GUN	1 LOCK
1 GUN	1 GUN	1 GUN	1 MACHINE
1 GUN	1 GUN	1 GUN	2 MAIN
1 GUN	1 GUN	1 GUN	5 MAKE
1 GUN	1 GUN	1 GUN	1 MAXIMUM
1 GUN	1 GUN	1 GUN	62 MEASURES
1 GUN	1 GUN	1 GUN	31 MEET
1 GUN	1 GUN	1 GUN	2 MET
1 GUN	1 GUN	1 GUN	6 MOVEMENT
1 GUN	1 GUN	1 GUN	2 M12
1 GUN	1 GUN	1 GUN	13 M2
1 GUN	1 GUN	1 GUN	3 M3
1 GUN	1 GUN	1 GUN	2 M4
1 GUN	1 GUN	1 GUN	38 NC-50
1 GUN	1 GUN	1 GUN	13 NCV
1 GUN	1 GUN	1 GUN	1 CFF
1 GUN	1 GUN	1 GUN	5 CP-RATE
1 GUN	1 GUN	1 GUN	17 COVER
1 GUN	1 GUN	1 GUN	4 COVERALL
1 GUN	1 GUN	1 GUN	6 PANTS
1 GUN	1 GUN	1 GUN	1 FACIL
1 GUN	1 GUN	1 GUN	1 FEEL
1 GUN	1 GUN	1 GUN	4 PISTON
1 GUN	1 GUN	1 GUN	1 PLACING
1 GUN	1 GUN	1 GUN	22 POSITION
1 GUN	1 GUN	1 GUN	4 PRESS
1 GUN	1 GUN	1 GUN	31 PROGRAM/REFERENCE
1 GUN	1 GUN	1 GUN	1 PUSH
1 GUN	1 GUN	1 GUN	20 PPS
1 GUN	1 GUN	1 GUN	1 PRESS
1 GUN	1 GUN	1 GUN	1 RECORD
1 GUN	1 GUN	1 GUN	1 RELEASE

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105 WORD LISTING/DESCENDING FREQUENCY
COUNT2 WORD2 COUNT3 WORD3

CCOUNT4 WORD4

6 ALUCK	6 DIRECT	6 DIES
6 TECH	6 FEW	6 GUIDE
6 APPROX	6 IMPROVISED	6 INTO
6 MOVEMENT	6 MIO	6 M1200
6 PARTS	6 PLACE	6 PLUG
6 SAW	6 SPEC	6 SPEN
6 EIGHT	6 SLING	6 UNLOCK
6 WINCHESTER	5 BETWEEN	5 CAPTER
5 CLESH	5 DISCONNECTOR	5 ELECTRICAL
5 FUNCTION-CHECK	5 G12	5 GUARD
5 LINKED	5 LUBRICATE	5 MAKE
5 OPERATE	5 SECS	5 SERVICEABILITY
5 DOUBLE	5 TETTER	5 WORKBENCH
4 PP	4 AT	4 ATTEMPT
4 HOTH	4 BRECH	4 BY
4 CLICK	4 DEPRESS	4 ENTERS
4 PV	4 FAELY	4 FUNCTION
4 LENGTH	4 MAR	4 MOUNTING
4 M203	4 OPERATING	4 OVERALL
4 PLURGER	4 PETS	4 REFLECTOR
4 RETURN	4 EIGHT	4 SUPPRESSOR
4 VISUALLY	4 ADJUST	4 WENCH
3 ACCELERATOR	3 ADJO	3 PE
3 JUG	3 AUTO	3 PECKER
3 CM	3 CARTRIDGE	3 CHARGING
3 CLEARANCE	3 ENTER	3 PROSION
3 FOREARM	3 ENGINE	3 GPTDS
3 INCH	3 INSURE	3 ITS
3 LAUNCHERS	3 MAY	3 MEASUREMENT
3 IC	3 NICH	3 NOTCHES
3 10	3 PEOPLE	3 PLATE
3 POSITIONS	3 PATTW	3 SECONDS
3 SEVE	3 TERN	3 THUMPPIECE
2 AFTER	2 ALIGNMENT	2 ABOUT
2 DANG	2 BAYNET	2 ASSIST
2 REFLECT	2 CCH	2 BELT
2 CONTACT	2 CONTAINING	2 CLOSE
2 DETILED	2 DIAGNOSTIC	2 DIAMETER
2 ENGAGE	2 EN	2 FADLESS
2 GENERAL	2 GUN/RECEIVER	2 LEG
2 NY	2 MILLIMITY	2 MOST
2 MEASURE	2 M31	2 PM
2 M122	2 PL	2 PLACED
2 PAPER	2 QUE	2 PEARWARD
2 PSI	2 REFLECTING	2 SIDE
2 REFLECTOR	2 REFLECTOR	2 STRAIGHTNESS
2 TITABLE	2 SPRINGS	2 TIR
2 SWITCH	2 T-SLOT	2 TIDE
2 THEY	2 TINU	

92

COUNT 4 PAGE 4

ENDING FREQUINCY
COUNCIL 3 40213

2025 RELEASE UNDER E.O. 14176

1011

2 TWO
2 WREN
1 ACTUATE
1 ANVIL
1 BEVELED
1 BUTTON
1 CAUTION
1 CONNECTOR
1 DEPRESSOR
1 DOUGLE
1 EDGE
1 EXIST
1 FOLLOWER
1 FULLY
1 GUIDES
1 LIPS
1 HOLES
1 LEVER
1 LIFE
1 LOCKING
1 MAINSPRING
1 PTH9
1 PTF
1 P.WLS
1 PRESSURE
1 REARND
1 RECORD
1 REWIRED
1 SPRING
1 SETTING
1 SINGLE
1 SCREWED
1 STOP
1 THIMBLE
1 TRAVEL
1 UNLINED
1 WIRE

[illegible]

2. ORQUE
1. LINE
1. MORNING
1. GREENHORE
1. CRAWLING
1. COLLAR
1. CYCLE
1. DISKS
1. DRIVING
1. ENGINES
1. FEELER
1. FOWL
1. GIGGS
1. HALF
1. HOLD
1. IMPROPER
1. LEAD
1. LESS
1. LINED
1. LUBRICATE
1. MACHINIC
1. METEOR
1. MUSE
1. NEST
1. PUSH
1. PECCOCK
1. REFLECTING
1. RIFLES
1. SCRAMED
1. SIMPLICITY
1. SLOWLY
1. STAKE
1. "H"
1. TIME--EPOCH
1. URS
1. UNSOURED

[illegible]

95

HEADQUARTERS

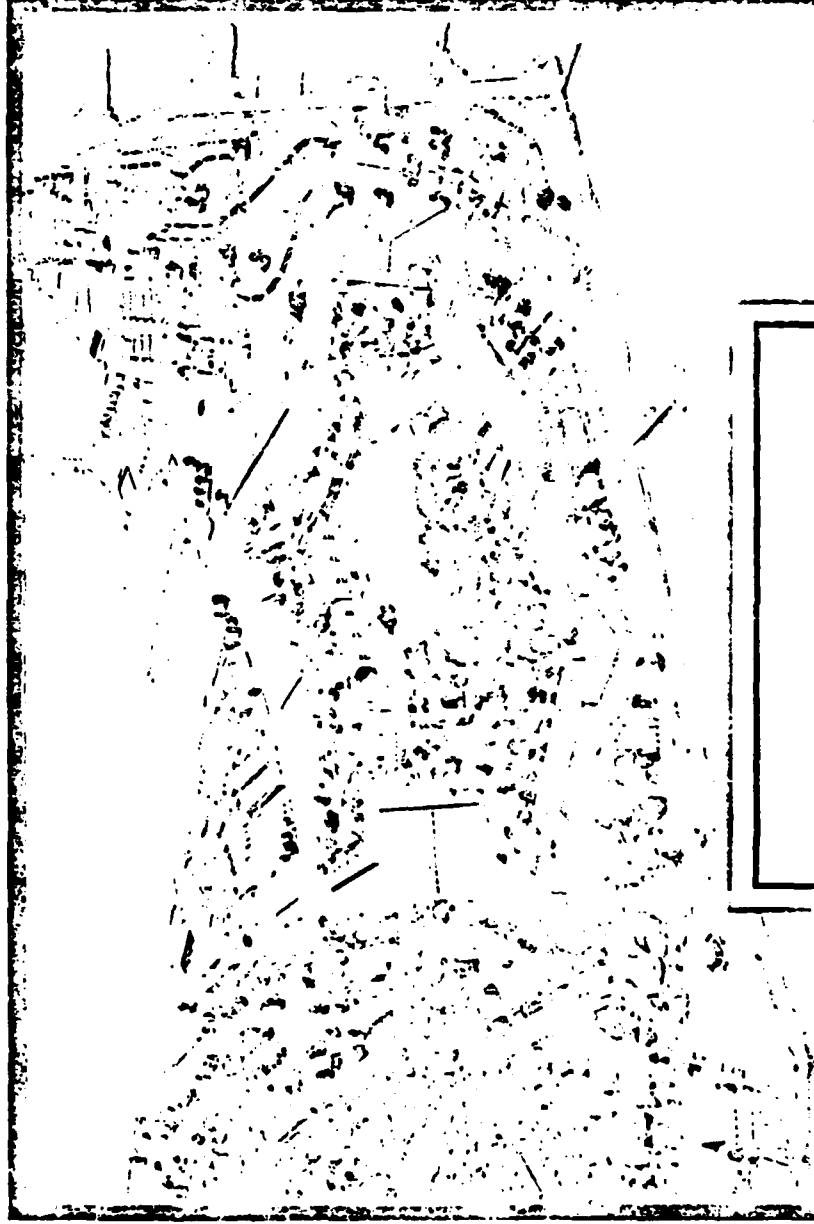
DATA CONTROL NUMBER

JOB NO. / PROJECT 1

UNITED STATES ARMY TRAINING AND DOCTRINE COMMAND

FORT MONROE, VIRGINIA 23651

NOV 25 1980



45 B-2

COPY ____ OF ____ CO

PREPARED BY: OPERATIONS DIV, DPFO

94.

AD-A121 124 JOB LANGUAGE PERFORMANCE REQUIREMENTS FOR MOS 45B SMALL
ARMS REPAIRMAN RE..(U) DEFENSE LANGUAGE INST LACKLAND
AFB TX ENGLISH LANGUAGE CENTER.. 14 MAY 76

2/2

UNCLASSIFIED

F/G 5/9

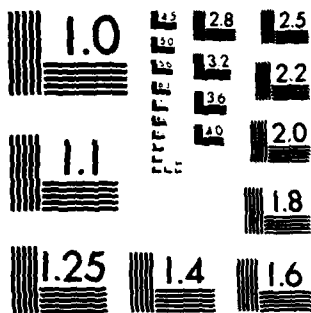
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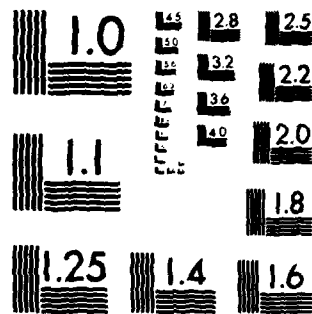
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FORMED

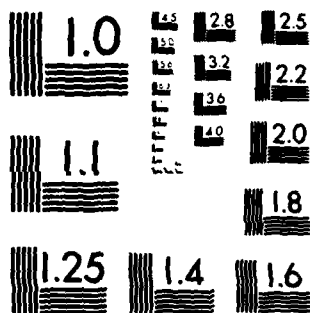
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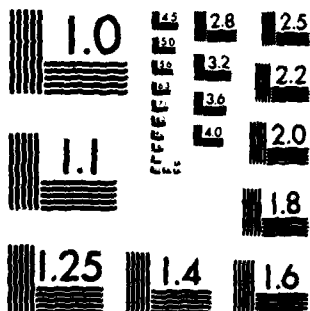
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



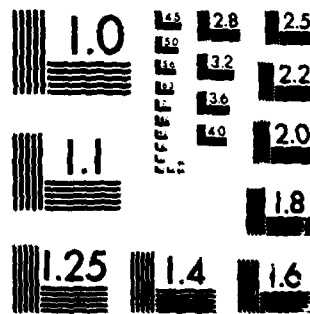
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NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

DATE 90325 0844 PAGE
COUNT4 NCRO4

109 WILL
24 WORK
79 YHU
29 YOUR

WORD LISTING/ASCENDING SEQUENCE
COUNT3 WORD3
COUNT2 WORD2

1 WILL
2 WORK
1 YHU
6 YOUR

COUNT1 WORD1

1 WILL
2 WORK
1 YHU
6 YOUR

123	PERFORMANCE	27	ASSEMBLY	123	PERFORMANCE
79	YTH	27	YTH	79	YTH
64	DE	76	MAINTENANCE	64	DE
56	EN	56	MEASURES	56	EN
54	CR	54	TURN	54	CR
47	PERFORM	47	FACE	47	PERFORM
41	GAGE	41	CONJON	41	GAGE
34	POST	34	KY	34	POST
31	MACHINEGUN	33	FIELD	31	MACHINEGUN
30	EVOLUTION	31	CONJUNCT	30	EVOLUTION
29	ABILITY	30	COMPONENTS	29	ABILITY
29	DISASSEMBLE	29	CONDITIONS	29	DISASSEMBLE
29	PEST	29	FIRING	29	PEST
29	PROGRAM/REFERENCE	29	PERFORMED	29	PROGRAM/REFERENCE
29	SHIP	29	SEC	29	SHIP
29	TESTED	29	STUDY	29	TESTED
27	COPUP	27	COMPLETE	27	COPUP
25	CS	26	NOV	25	CS
24	USING	24	REQUEST	24	USING
23	BOL	23	ACCOMPLISHED	23	BOL
22	POSCOPE	23	GS	22	POSCOPE
21	COVER	22	TRAVERSING	21	COVER
20	CROCO	21	SEE	20	CROCO
19	AUTOMATIC	20	REVERSE	19	AUTOMATIC
19	MATERIALS	19	INSPECT	19	MATERIALS
18	FOR	18	CLEAN	18	FOR
18	WEAPON	18	SLIDE	18	WEAPON
17	P2	17	FEEDER	17	P2
16	HINGE	16	FEED	16	HINGE
16	SCC	16	PLUG	16	SCC
15	FLARE	15	REFLECTIVE	15	FLARE
14	OPERATION	14	LEVER	14	OPERATION
13	MORANS	14	LEVER	13	MORANS
12	RAZE	12	SLIDE	12	RAZE
12	EXTENSION	12	OUT	12	EXTENSION
11	INSPECTION	11	CAP	11	INSPECTION
11	TAC	11	TRIGGER	11	TAC
10	NADP2	10	LOCK	10	NADP2
9	CPL	9	LOCK	9	CPL
9	MEASUREMENT	9	SLAVE	9	MEASUREMENT
9	SPINDLE	9	SLAVE	9	SPINDLE
8	CABLE	8	ROCKET	8	CABLE
8	ROCKET	8	GUIDE	8	ROCKET
8	ROCKET	8	POSITIONED	8	ROCKET
8	ROCKET	8	WORKBENCH	8	ROCKET
7	DEPRESS	7	WHS	7	DEPRESS
7	P201	7	WHS	7	P201
7	SEC	7	FEEDCT	7	SEC

COUNT4 WORDS

1 UNPL
1 VISUALLY
1 WITHOUT
1 WRENCH

405 WORD LISTING/DESCENDING FREQUENCY
COUNT3 WORDS

1 UNSPECIFIED
~~1~~
1 WHEEL

COUNT2 WORDS

1 TRUCK
~~1~~
1 WASHING

COUNT1 WORDS

1 TRUCK
1 WASHING
~~1~~

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APPENDIX 8

ENGLISH LANGUAGE STRUCTURES AND LEXICON

The following list is included as an addition to the structural and lexical list. These structures and lexical items are very basic.
(See Section II for discussion.)

LIST OF LEXICAL AND STRUCTURAL ITEMS FOR ENGLISH LANGUAGE STRUCTURES

Sentences:

- | | |
|------------------|-------------------------|
| A. Declarative | statement |
| B. Interrogative | question |
| | 1. wh- questions |
| | 2. tag questions |
| | 3. yes/no questions |
| C. Imperative | command, polite request |
| D. Exclamatory | exclamation |

Sentence Complexity:

- | | |
|---------------------|---|
| A. Simple | one full subject and predicate |
| B. Compound | two or more independent clauses joined by: |
| | 1. punctuation |
| | 2. punctuation and conjunctive adverb |
| | 3. coordinate conjunction |
| C. Complex | one or more dependent clauses and an independent clause |
| D. Compound-Complex | two or more independent clauses and one or more dependent clauses |

Verbs:

- | | |
|----------------------------|---|
| A. Concord | subject-verb agreement |
| B. Transitive | takes an object |
| C. Intransitive | doesn't take an object |
| D. Copula | to be |
| E. Linking | connectors |
| F. Auxiliaries of tense | will, do, did |
| G. Auxiliaries of modality | should, ought to, must to, have to, have got to, able to, can, may, might, could, would |
| H. Tense | present, past |
| I. Aspect | perfect, progressive |

Verbal Forms:

- | | |
|-----------------------|---------------|
| A. Present Participle | active voice |
| B. Past Participle | passive voice |

Voice:

- | | |
|------------------------|----------------------------|
| A. Active | subject does action |
| B. Passive | subject does not do action |
| 1. agent expressed | |
| 2. agent not expressed | |

Nouns:

A. Singular	man, pen
B. Plural	men, pens
C. Count	chairs
D. Mass	flour
E. Possessive	soldier's
F. Collective	fish

Adjectives:

A. Predicative	The tank is green.
B. Attributive	The green tank is moving.
C. Degrees of comparison	
1. regular	big, bigger
2. irregular	worse, worst
D. Ordinal/Cardinal	
Numbers	first, one

Adverbs:

A. Time/Frequency	immediately, today, ago
B. Place/Position	here, there, everywhere
C. Manner	maybe, possibly
D. Negative	no, never
E. Comparison of	nearest, harder
F. Degree	thoroughly, completely

Articles:

A. Definite	a, the
B. Indefinite	any, some

Pronouns:

A. Personal	you
B. Demonstrative	that
C. Indefinite	anybody, both, each
D. Reflexive	himself, yourself
E. Cases of	I, me, my, mine
F. Relative	who, whom, whose
G. Interrogative	who, which, what

Conjunctions:

A. Coordinating	and, but, or, nor
B. Subordinating	because, if, as, that, after
C. Correlative	either, or
D. Conjunctive adverb	therefore, furthermore

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Prepositions:

A. Simple

- | | |
|----------------------------------|------------|
| 1. place | on, in |
| 2. time | in, at, on |
| 3. direction/motion | to |
| 4. manner/agent/
instrument | by, with |
| 5. measurement/
number amount | of |

B. Compound:

according to, because of, by means

Vocabulary:

words from 1100 through 2400 -
Elementary and Intermediate Phase of General
English materials

Special Expressions/Idioms

"knock it off" "can it, buddy"

Verb Combinations

two word verbs